



GAU 1764
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:)	Before the Examiner
)	
Hardarshan S. Valia et al.)	
)	
Serial No: 09/846,829)	Group Art Unit: 1764
)	
Filed: May 1, 2001)	
)	
Method for Producing Blast Furnace Coke)	
Through Coal Compaction in a)	
Non-Recovery or Heat Recovery)	
Type Oven)	

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TC 1700

INFORMATION DISCLOSURE STATEMENT

Applicants hereby submit the attached documents listed on the attached PTO Form 1449 in accordance with 37 CFR §1.97(b)(3), as these documents are being submitted before the first Office Action. Copies of the cited items are enclosed in accordance with 37 C.F.R. § 1.98.

The relevance of the enclosed foreign language references as presently understood is as follows:

WO91/02781: The relevance as it is understood is set forth in the English language abstract. In particular, the device disclosed prevents gasses from escaping when coal cakes are fed into a horizontal coking chamber. Coal cakes are produced outside the chamber by a tamping, feed and pusher machine. The device includes a channel surrounding the coal cakes being fed in. The channel in the wall nearest the oven abuts the frame of the coking-chamber door. The side walls of the channel can be inserted into the side walls of the mold which are hollow in the area nearest the oven. The channel floor is formed by a movable floor of the mold. The channel roof is telescopic and has guides for the movable side walls. A leveling device is located on the stationary part of the channel roof. The device levels the surface of the coal cake and has a disposal device before the coal is stripped off.


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Japanese Patent No. 7109467: This reference discloses a method for preheated stamped charging of coal. The coal for making coke includes coals that have different caking properties. The coal is quickly heated to 300-500° C, consolidated into a coal cake using coal in the softening and melting zone as the binder, and quickly charged into a coke oven.

The filing of this Information Disclosure Statement shall not be construed as an admission that the information cited is, or is considered to be, material to patentability as defined in § 1.56(b), or that these documents are prior art.


It is believed that no fee is required for consideration of the submitted items. Should any fee be required, however, please charge such fee to Deposit Account No. 02-0387, but not to include any payment of issue fees.

Respectfully submitted,



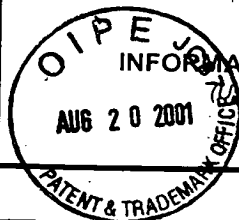
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I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231 on August 17, 2001.



Michelle L. Watson

Dated: August 17, 2001



INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.

ISP0086

SERIAL NO.

09/846,829

Hardarshan S. Valia et al.

FILING

May 1, 2001

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,652,403	03-1972	Knappstein et al.			
	3,772,155	11-1973	Knappstein et al.			
	3,959,083	05-1976	Goedde et al.			
	4,123,216	10-1978	Leibrock			
	4,128,402	12-1978	Leibrock et al.			
	4,186,054	01-1980	Brayton et al.			
	4,248,671	02-1981	Belding			
	4,257,848	03-1981	Brayton et al.			
	4,274,923	06-1981	Mahar			
	4,285,772	08-1981	Kress			
	4,606,876	08-1986	Yoshida et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 91/02781	03-1991	PCT				✓
	0 596 870	05-1994	Europe			✓	
	WO 88/08442	11-1988	PCT			✓	
	WO 90/12074	10-1990	PCT			✓	
	7109467	04-1995	Japan			✓	

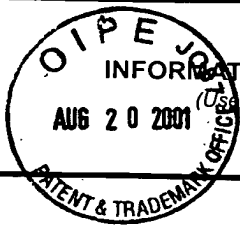
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Valia, Hardarshan S., "Coke Production for Blast Furnace Ironmaking", www.steel.org/learning/howmade/coke_production.htm , August 24, 1999, 5 pages
	Chatterjee, A. and H.N. Prasad, "Advent of Stamp Charging - a Boon for Cokemaking in Integrated Steel Plants in India", Cokemaking International, January, 1994, Volume 6, 8 pages

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



INFORMATION DISCLOSURE CITATION

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
.	4,726,465	02-1988	Kwasnik et al.			
.	5,190,617	03-1993	Kress et al.			
	5,345,994	09-1994	Kato et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Search Report, "Coke Patents", March 19, 1996 32 pages
		Search Report, "Coke Patents", March 19, 1996, 50 pages

EXAMINER

DATE CONSIDERED

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			Search Report, "Coke Patents", August 9, 1999, 15 pages
			Search Report, "Coke Patents", August 9, 1999, 33 pages

DATE CONSIDERED